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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 16.686 Seconds  
(without alignments)  
680.911 Million cell updates/sec

Title: US-09-622-613b-6

Perfect score: 583  
Sequence: 1 MDMWTFQKHLTNTRDVDC.....TFCVTCENQAPVHFVGVGHC 105

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications\_AA:\*

1: /cgn2-6/ptodata/1/pubppaa/US08\_NEW\_PUB.pep:\*

2: /cgn2-6/ptodata/1/pubppaa/PCR\_NEW\_PUB.pep:\*

3: /cgn2-6/ptodata/1/pubppaa/US06\_NEW\_PUB.pep:\*

4: /cgn2-6/ptodata/1/pubppaa/US06\_PUBCOMB.pep:\*

5: /cgn2-6/ptodata/1/pubppaa/US07\_NEW\_PUB.pep:\*

6: /cgn2-6/ptodata/1/pubppaa/US07\_PUBCOMB.pep:\*

7: /cgn2-6/ptodata/1/pubppaa/PCYUS\_PUBCOMB.pep:\*

8: /cgn2-6/ptodata/1/pubppaa/US08\_PUBCOMB.pep:\*

9: /cgn2-6/ptodata/1/pubppaa/US09\_NEW\_PUB.pep:\*

10: /cgn2-6/ptodata/1/pubppaa/US09\_PUBCOMB.pep:\*

11: /cgn2-6/ptodata/1/pubppaa/US10\_NEW\_PUB.pep:\*

12: /cgn2-6/ptodata/1/pubppaa/US10\_PUBCOMB.pep:\*

13: /cgn2-6/ptodata/1/pubppaa/US60\_NEW\_PUB.pep:\*

14: /cgn2-6/ptodata/1/pubppaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	583	100.0	105	9	US-09-948-391A-6
2	578	99.1	105	9	US-09-948-391A-13
3	578	99.1	127	9	US-09-948-391A-28
4	573	98.3	104	9	US-09-948-391A-11
5	569	97.6	104	9	US-09-948-391A-2
6	569	97.6	104	9	US-09-948-391A-4
7	565	96.9	105	9	US-09-948-391A-8
8	565	96.9	111	9	US-09-948-391A-9
9	561	96.2	105	9	US-10-153-882-2
10	551	94.5	104	9	US-09-986-119-1
11	445	76.3	83	9	US-09-986-119-3
12	282.5	48.5	111	9	US-09-948-391A-21
13	282.5	48.3	117	9	US-09-948-391A-22
14	281.5	48.3	110	9	US-09-948-391A-15
15	281.5	48.3	111	9	US-09-948-391A-26
16	280.5	48.1	111	9	US-09-948-391A-17
17	276.5	47.4	110	9	US-09-948-391A-24
18	271.5	46.6	110	9	US-09-948-391A-19
19	157.5	27.0	12	9	US-10-016-447-2

20	128.5	22.0	124	12	US-10-016-447-5	Sequence 5, Appl 1
21	113	19.4	147	10	US-09-286-240-6	Sequence 6, Appl 1
22	113	19.4	147	10	US-09-863-777-2	Sequence 2, Appl 1
23	113	19.4	147	10	US-09-731-872-254	Sequence 254, Appl
24	112	19.2	124	9	US-09-981-286A-8	Sequence 8, Appl 1
25	99.5	17.1	131	12	US-10-016-447-6	Sequence 6, Appl 1
26	89.5	15.4	156	9	US-09-796-753-102	Sequence 102, App
27	89.5	15.4	156	9	US-09-796-753-118	Sequence 118, App
28	89.5	15.4	156	9	US-10-245-107-60	Sequence 60, Appl
29	89.5	15.4	156	9	US-10-245-107-60	Sequence 60, Appl
30	89.5	15.4	156	9	US-10-245-143-60	Sequence 60, Appl
31	89.5	15.4	156	9	US-10-245-771-60	Sequence 60, Appl
32	89.5	15.4	156	9	US-10-245-851-60	Sequence 60, Appl
33	89.5	15.4	156	9	US-10-245-883-60	Sequence 60, Appl
34	89.5	15.4	156	9	US-10-237-535-60	Sequence 60, Appl
35	89.5	15.4	156	9	US-10-238-183-60	Sequence 60, Appl
36	89.5	15.4	156	9	US-10-238-283-60	Sequence 60, Appl
37	89.5	15.4	156	9	US-10-238-370-60	Sequence 60, Appl
38	89.5	15.4	156	9	US-10-245-055-60	Sequence 60, Appl
39	89.5	15.4	156	9	US-10-245-147-60	Sequence 60, Appl
40	89.5	15.4	156	9	US-10-245-739-60	Sequence 60, Appl
41	89.5	15.4	156	9	US-10-245-739-60	Sequence 60, Appl
42	89.5	15.4	156	9	US-10-246-210-60	Sequence 60, Appl
43	89.5	15.4	156	9	US-10-239-196-60	Sequence 60, Appl
44	89.5	15.4	156	9	US-10-243-024-60	Sequence 60, Appl
45	89.5	15.4	156	9	US-10-243-409-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1  
US-09-948-391A-6  
Sequence 6, Application US/09948391A  
Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: The United States of America

APPLICANT: as represented by The Secretary of the

Department of Health and Human Services

TITLE OF INVENTION: Recombinant Anti-Tumor RNase

FILE REFERENCE: 015280-343110US

CURRENT APPLICATION NUMBER: US/09/948,391A

CURRENT FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: US 60/079,751

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: WO PCT/US99/06641

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622,613

PRIOR FILING DATE: 2000-08-17

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6

LENGTH: 105

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens

OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant

OTHER INFORMATION: Met(-1) Rapur1)

US-09-948-391A-6

Query Match 100.0%: Score 583; DB 9; Length 105;

Best Local Similarity 100.0%: Pred. No. 4, 1e-57;

Matches 105: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDMWTFQKHLTNTRDVDCNNIMSTNLFHCKDKNTFTYSPPEPKAICKIISKNVLT 60

DB 1 MDMWTFQKHLTNTRDVDCNNIMSTNLFHCKDKNTFTYSPPEPKAICKIISKNVLT 60

QY 61 TSEFYLDCNVTSRPCKYKLRKSTNFTCVTCENQAPVHFVGVGHC 105

Db 61 TSEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFEVGVGHC 105

## RESULT 2

US-09-948-391A-13  
; Sequence 13, Application US/09948391A

```

PUBLICATION NO. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 012580-343110US
CURRENT APPLICATION NUMBER: US/09/948.391A
CURRENT FILING DATE: 2002-05-10
PRIORITY APPLICATION NUMBER: US 60/079,751
PRIORITY FILING DATE: 1998-03-27
PRIORITY APPLICATION NUMBER: WO PCT/US99/06641
PRIORITY FILING DATE: 1999-03-26
PRIORITY APPLICATION NUMBER: US 09/622,613
PRIORITY FILING DATE: 2000-08-17
NUMBER OF SEQ. ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 and Gln256
US-09-948-391A-13

```

Query Match	99.1%	Score 578;	DB 9;	length 105;
Best Local Similarity	99.0%	Pred. No. 1.5e-56;		
Matches 104; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

Dy  
Dz

I M Q D L T F Q K H I L N T R D V C D N N I M S T N L F H C K D K N T F Y I S R P E P A K A I C G K I I A S K N V L T 600

I M S D W L T F Q K H I L N T R D V C D N N I M S T N L F H C K D K N T F Y I S R P E P A K A I C G K I I A S K N V L T 600

**QY** 61 TSEFYLSDCNVTSRPCKKKLKSTNFVCVTCENQAPVHFGVGHC 105  
| | | | | | | | | | | | | | | | | | | | | | | | | |  
**Dd** 61 TSEFYLSDCNVTSRPCKKKLKSTNFVCVTCENQAPVHFGVGHC 105

RESULT 3  
US-09-948-391A-28

Sequence 28, Application US/09948391A  
Publication No. US20030027311A1  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: The United States of America  
APPLICANT: as represented by The Secretary  
APPLICANT: Department of Health and Human  
TITLE OF INVENTION: Recombinant Anti-Tumor  
FILE REFERENCE: 015280-343110US  
CURRENT APPLICATION NUMBER: US/09/948,391A  
CURRENT FILING DATE: 2002-05-10  
PRIORITY APPLICATION NUMBER: US 60/079,751  
PRIORITY FILING DATE: 1998-03-27  
PRIORITY APPLICATION NUMBER: WO PCT/US99/06641  
PRIORITY FILING DATE: 1999-03-26  
PRIORITY APPLICATION NUMBER: US 09/622,613  
PRIORITY FILING DATE: 2000-08-17  
NUMBER OF SEQ ID NOS: 43  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 28  
LENGTH: 127  
TYPE: PRT

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: ORGANISM: Rana pipiens
:
: FEATURE:
: OTHER INFORMATION: Rana pipiens ribonuclease (RafRL) clone 5a1b cDNA
: OTHER INFORMATION: Insert
US-09-948-391A-28

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Query Match	99.1%	Score 578	DB 9	Length 127
Best Local Similarity	100.0%	Pred. No.	1.8e-56	
Matches 104	Conservative 0	Mismatches 0	Indels 0	Gaps 0

**QY** 2 QDWLTFQKKHLNTRDVCNNIMSTNLHCKDKNTFIYSRPEPKAIKGLIASKNVLT 61  
**Db** 24 QDWLTFQKKHLNTRDVCNNIMSTNLHCKDKNTFIYSRPEPKAICKGLIASKNVLT 83

QY 62 SEFYLSDCNVTSRPSCKYKLKSTNTFCVTCENQAPVHFGVGH 105  
 |||||  
 84 SEFYLSDCNVTSRPSCKYKLKSTNTFCVTCENQAPVHFGVGH 127  
 Db

RESULT 4  
US-09-948-391A-11

Sequence ID: Application US/09948391A  
Publication No. US20030027311A1  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: The United States of America  
APPLICANT: as represented by the Secretary of the  
APPLICANT: Department of Health and Human Services  
TITLE OF INVENTION: Recombinant Anti-Tumor Rnase  
FILE REFERENCE: 015280-343110US  
CURRENT APPLICATION NUMBER: US/09/948,391A  
CURRENT FILING DATE: 2002-05-10  
PRIOR APPLICATION NUMBER: US 60/079,751  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: WO PCT/US99/06641  
PRIOR FILING DATE: 1999-03-26  
PRIOR APPLICATION NUMBER: US 09/622,613  
PRIOR FILING DATE: 2000-08-17  
NUMBER OF SEQ ID NOS: 43  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 11  
LENGTH: 104  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens  
OTHER INFORMATION: (recombinant RapLRI Q1S)  
US-09-948-391A-11

Query Match	98.3%	Score 573	DB 9	Length 104
Best Local Similarity	100.0%	Pred. No.	5.2e-56	
Matches 103	Conservative 0	Mismatches 0	Indels 0	Gaps 0

[illegible]

Oy	63 EFLYSDCNVTSRPPCKYKLLKKSTNTFCVTGCENQAPVHFEVGVC	10
Db	62 EFLYSDCNVTSRPPCKYKLLKKSTNTFCVTGCENQAPVHFEVGVC	10

RESULT 5  
US-09-948-391A-2

Sequence 2, Application US/05946839A  
Publication No. US20030027311A1  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: The United States of America  
as represented by The Secretary of the



SEQ ID NO 9  
LENGTH: 111  
TYPE: PRP  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens  
OTHER INFORMATION: ribonuclease with (His)6 tag, Met at position 7  
OTHER INFORMATION: and Met30Leu substitution (recombinant Met(-1))  
OTHER INFORMATION: RapLRI Met23Leu (His)6  
US-09-948-391A-9

Query Match 96.9%; Score 565; DB 9; Length 111;  
Best Local Similarity 97.1%; Pred. No. 4.3e-55;  
Matches 102; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 60  
DB 7 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 66  
QY 61 TSEFLSDCNVTSRPPCKYKLLKSKNTFCVTCENQAPVHFVGVGHC 105  
DB 67 TSEFLSDCNVTSRPPCKYKLLKSKNTFTFCVTCENQAPVHFVGVGHC 111

RESULT 9  
US-10-153-882-2  
Sequence 2, Application US/10153882  
Publication No. US2003009629A1  
GENERAL INFORMATION:  
APPLICANT: GOLDENBERG, David M.  
APPLICANT: HANSEN, Hans  
APPLICANT: LEUNG, Shui-on  
TITLE OF INVENTION: RECOMBINANT ONCONASE, AND CHEMICAL CONJUGATES AND  
TITLE OF INVENTION: FUSION PROTEINS OF RECOMBINANT ONCONASE  
FILE REFERENCE: 018733/0913  
CURRENT APPLICATION NUMBER: US/10/153,882  
PRIOR FILING DATE: 2002-05-24  
PRIOR APPLICATION NUMBER: US/09/265,901  
PRIOR FILING DATE: 1999-03-11  
PRIOR APPLICATION NUMBER: US 60/077,557  
PRIOR FILING DATE: 1998-03-11  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 2  
LENGTH: 105  
TYPE: PRP  
ORGANISM: Rana pipiens  
US-10-153-882-2

Query Match 96.2%; Score 561; DB 9; Length 105;  
Best Local Similarity 96.2%; Pred. No. 1.1e-54;  
Matches 101; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 60  
DB 1 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 60  
QY 61 TSEFLSDCNVTSRPPCKYKLLKSKNTFCVTCENQAPVHFVGVGHC 105  
DB 61 TSEFLSDCNVTSRPPCKYKLLKSKNTFCVTCENQAPVHFVGVGHC 105

RESULT 10  
US-09-986-119-1  
Sequence 1, Application US/09986119  
Publication No. US20020187153A1  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Goldenberg, David M.  
TITLE OF INVENTION: Immunotoxins Directed Against Malignant  
Cells  
NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/986,119  
FILING DATE: 07-NOV-2002  
CLASSIFICATION: <unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/071,672  
FILING DATE: 01-MAY-1998  
APPLICATION NUMBER: US 60/046,895  
FILING DATE: 02-MAY-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Weber, Ellen Lauver  
REGISTRATION NUMBER: 32,762  
REFERENCE/DOCKET NUMBER: 015280-32510US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 104 amino acids  
TYPE: amino acid  
STRANDEDNESS: <unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /product= "OTHER"  
/note= "Xaa = Glu or pyroglutamic acid"  
NAME/KEY: protein  
LOCATION: 1..104  
OTHER INFORMATION: /note= "Rnase A derived from  
Rana pipiens, "onc protein"  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-986-119-1  
Query Match 94.5%; Score 551; DB 9; Length 104;  
Best Local Similarity 96.1%; Pred. No. 1.4e-53;  
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 3 DMLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 62  
DB 2 DMLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 61  
QY 63 EFTLSDCNVTSRPPCKYKLLKSKNTFCVTCENQAPVHFVGVGHC 105  
DB 62 EFTLSDCNVTSRPPCKYKLLKSKNTFCVTCENQAPVHFVGVGHC 104

RESULT 11  
US-09-986-119-3  
Sequence 3, Application US/09986119  
Publication No. US20020187153A1  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Goldenberg, David M.  
TITLE OF INVENTION: Immunotoxins Directed Against Malignant  
Cells  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:

```

: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/986,119
: FILING DATE: 07-No. US20020187153A1-2001
: CLASSIFICATION: <Unknown>
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/09/071,672
: FILING DATE: 01-MAY-1998
: APPLICATION NUMBER: US 60/046,895
: FILING DATE: 02-MAY-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Weber, Ellen Lawyer
: REGISTRATION NUMBER: 32,762
: REFERENCE/DOCKET NUMBER: 015280-325100S
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
:
: INFORMATION FOR SEQ ID NO: 3:
:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 83 amino acids
: TYPE: amino acid
: STRANDEDNESS: <Unknown>
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..83
: OTHER INFORMATION: /note= "onc protein", positions 16-98
: of SEQ ID NO:1"
:
: SEQUENCE DESCRIPTION: SEQ ID NO: 3:
:
: US-09-986-119-3
:
: Query Match          76.3%; Score 445; DB 9; Length 83;
: Best Local Similarity 97.6%; Pred. No. 5.5e-42;
: Matches 81; Conservative 1; Mismatches 1; Indels 0; Gaps 0:
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: QY 17 DVCNNIMSTNLFHCKDKNFTIYSRPEVKAICKGIASKNVLTSTSEYISDCNVTSPRC 76
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 1 DVDNDIMSTNLFHCKDKNFTIYSRPEVKAICKGIASKNVLTSTSEYISDCNVTSPRC 60
:
: QY 77 KYKLKSTNTEFCVTCENAPVHF 99
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 61 KYKLKSTNTEFCVTCENAPVHF 83
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: RESULT 12
: US-09-948-391A-21
: Sequence 21, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: TITLE OF INVENTION: Department of Health and Human Services
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26

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: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 21
: LENGTH: 111
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence:Rana
: OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1,
: OTHER INFORMATION: Met231leu and Met581leu substitutions (recombinant
: OTHER INFORMATION: Met(-1) RacOR1 Met221leu Met571leu)
:
: US-09-948-391A-21
:
: Query Match          48.5%; Score 282.5; DB 9; Length 111;
: Best Local Similarity 49.1%; Pred. No. 7.1e-24;
: Matches 55; Conservative 16; Mismatches 32; Indels 9; Gaps 4;
:
: QY 1 MODLTFQKHLTTRDVCNNIMSTNLF---HCKDKNFTIYSRPEVKAICKGIASK 56
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 1 MGNWATFOQKHINT-PIICNTIIDNNIYIVGGCKRYNFTIISATTVAKICGV1-NL 58
:
: QY 57 NVLTSTSEYISDC---NVTSPRCYKYLKSTNTEFCVTCENAPVHFVGVGHC 105
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: Db 59 NVLTSTTRQLNCTRTSITPRPCPYSSRTETNYICVGCENQYVPHFAGIGRC 110
:
: RESULT 13
: US-09-948-391A-22
: Sequence 22, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: TITLE OF INVENTION: Department of Health and Human Services
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 22
: LENGTH: 117
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence:Rana
: OTHER INFORMATION: catesbeiana ribonuclease with (His)6 tag, Met at
: OTHER INFORMATION: position 7, Met231leu and Met581leu substitutions
: OTHER INFORMATION: (recombinant Met(-1) RacOR1 Met221leu Met571leu-(His)6)
:
: US-09-948-391A-22
:
: Query Match          48.5%; Score 282.5; DB 9; Length 117;
: Best Local Similarity 49.1%; Pred. No. 7.5e-24;
: Matches 55; Conservative 16; Mismatches 32; Indels 9; Gaps 4;
:
: QY 1 MODLTFQKHLTTRDVCNNIMSTNLF---HCKDKNFTIYSRPEVKAICKGIASK 56
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 7 MGNWATFOQKHINT-PIICNTIIDNNIYIVGGCKRYNFTIISATTVAKICGV1-NL 64
:
: QY 57 NVLTSTSEYISDC---NVTSPRCYKYLKSTNTEFCVTCENAPVHFVGVGHC 105
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 65 NVLTSTTRQLNCTRTSITPRPCPYSSRTETNYICVGCENQYVPHFAGIGRC 116

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